

WHAT IS CLAIMED IS:

1 1. A system comprising:
2 a frequency-stepped radar configured to induce vibrations in a landmine using
3 different frequencies;
4 a sensor configured to detect signals associated with the vibrations; and
5 a processor configured to process the signals to detect the landmine.

1 2. A method comprising:
2 using a frequency-stepped radar to sequentially induce vibrations of different
3 frequencies in a landmine;
4 detecting signals associated with the vibrations; and
5 processing the signals to detect the landmine.